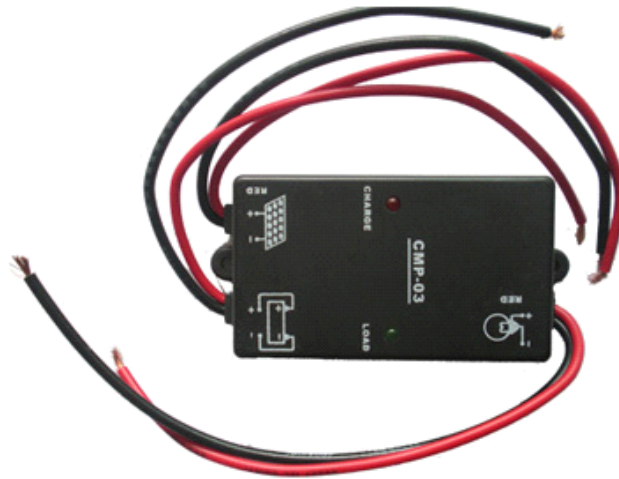

CMP-03 Solar Charge Controller

User's manual



This solar charge controller designed for solar home system, Mini solar advertising light box and so on. The box of the controller is compact sealed with silicon. They have the function of Temperature Compensation during charging and Sensor Control (optional).

Notice: This product has light and time control.

Light control: When daylight starts to occur then the light source goes off. Meanwhile the Solar Panels will charge the batteries. when there is no sunlight the garden light will switch on.

Time control: There is an eight hours time control, that means it will go off when the Lights automatically switch off after 8 hours.

Four types for choosing:

CMP-03 3A 6V ST :3A 6V light and 8h timer control.

CMP-03 3A 12V ST:3A 12V light and 8h timer control.

CMP-03 3A 6V S:3A 6V Light Control.

CMP-03 3A 12V S: 3A 12V Light Control.

Function:

1. Overcharging and Over discharging protection
2. Prevent the reverse current from the battery to the solar panel at night time.

Connection: (Ref. the drawing)

1. Connect the “+” “-” poles of the battery with relevant cables. Red color is “+”
2. Connect the “+” “-” poles of the solar panel with relevant cables on the left of the picture.
Red color is “+”
3. Connect the “+” “-” poles of the loads with relevant cables on the right of the picture. Red color is “+”

Indicator:

1. One charging indicator, light indicates strong charging, flash indicates float charging, not light indicates stop charging.
2. One Load indicator, light indicates there is power output, the loads could normal working, not light indicates no output, check whether the battery is in low-voltage or the connection is OK .

Attention:

1. Please check the rated voltage of the solar panel and loads, they must be same with controller, all their rated voltage should be 6V,12V.
2. The controller can not short circuit.
3. Forbid use other DC power supply instead of solar panels for the battery charging through the controller.

Technical data:

Rated Voltage	6V,12V	LVD (Low Voltage Disconnection)	5.25V/10.5V
Rated Charge Current	3A	LVR (Low Voltage Reconnection)	6V/12.0V
Rated Discharge Current	3 A	Light Controller Mode	visibility 20m
HVD (High Voltage Disconnection)	7.2V/14.4V	Temperature	— 10- +40℃
Temperature Compensation	-3mV/℃/cell	Relative Humidity	≦90%
Size	55×36×20mm	Net weight	33g

If you have any requirements, please let me know, this item can be designed as your need.